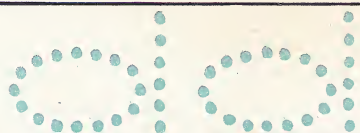
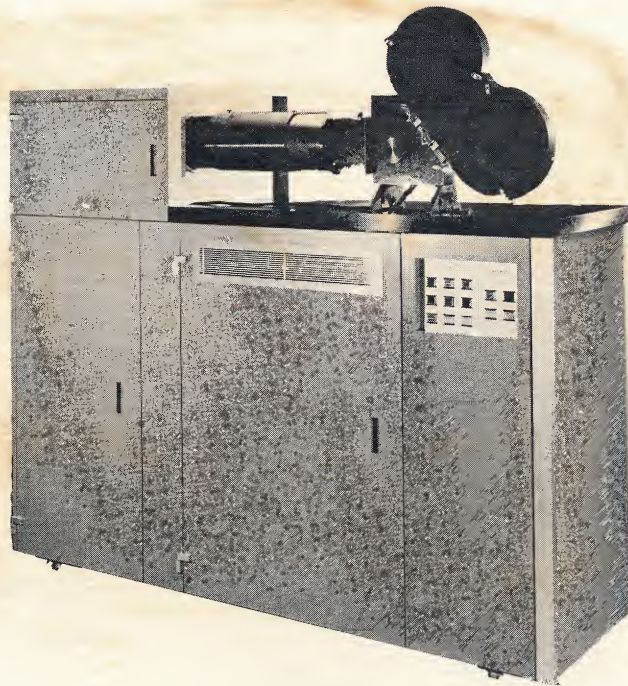


dd 80



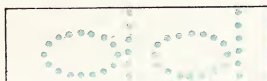
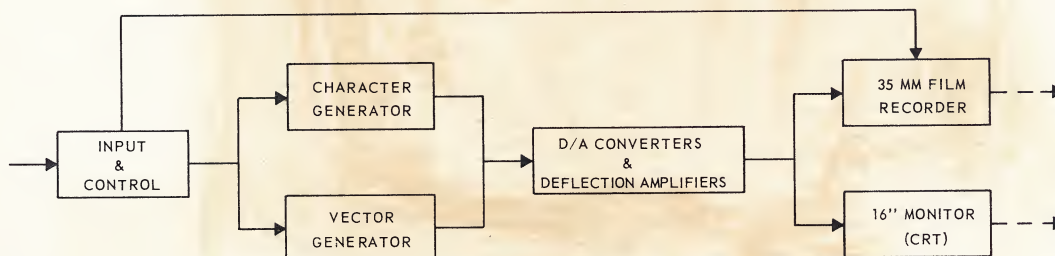
DATA DISPLAY INCORPORATED
1820 COMO AVENUE • SAINT PAUL 8, MINNESOTA

dd 80



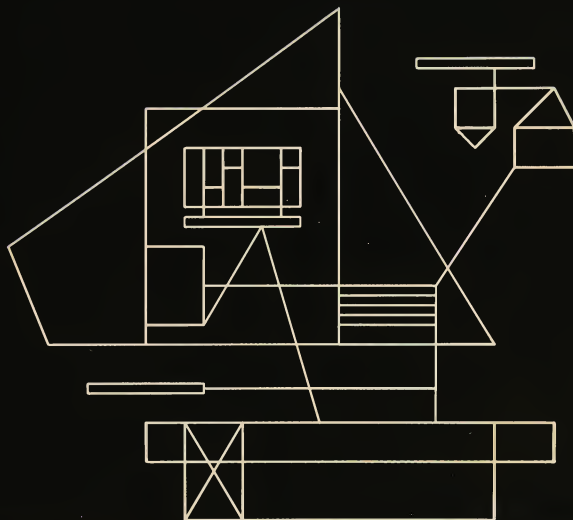
The *dd 80* high speed tabular and graphical data recorder provides a 35 mm film record of computer output. The recorded data may be viewed simultaneously on a large screen monitor. The *dd 80* is designed to operate on-line to a modern high speed computer and accept parallel words from an output channel. It may also be adapted to operate with tape drive equipment. The internal speed of the *dd 80* allows efficient on-line or off-line operation. Recording may be accomplished at rates up to 110,000 characters, or 140,000 vectors, or 220,000 plotting points per second.

The versatile *dd 80* is comprised of a character generator, vector generator, film recorder and a monitor. The character generator has a repertoire of 123 characters and allows digital control of size, and orientation. The vector generator forms straight lines between any pair of the 1024 X and Y positions. The primary output of the *dd 80* is the 35 mm film recorder which operates at rates up to 30 pages per second. A parallel output monitor provides an instantaneous display of all recorded data on a 16 inch cathode ray tube.



DATA DISPLAY INCORPORATED

ON dd 80 COMPUTER OUTPUT RECORDER

[illegible]

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Specifications

INPUT

Digital 32 - bit word. System may be easily adapted to accept other word lengths.

DISPLAY

Large screen (cathode ray tube) monitor. 35 mm film record.

CRT

5" electrostatic, P-11 phosphor, 16" electrostatic, P-31 phosphor.

CHARACTER GENERATOR

Repertoire: 123 characters and symbols. Display Rate: 110,000 characters per second, including deflection delay time. Four character sizes, 128, 64, 32 or 16 characters per line. Normal or 90° orientation.

DIGITAL RESOLUTION

1024 x 1024 position grid. Tabular mode allows up to 64 lines of 128 characters.

VECTOR GENERATOR

x, y - x, y plot. 140,000 vectors per second head to toe. Vectors may be of arbitrary lengths.

CAMERA

Size: 35mm. Speed: 30 frames per second (33 ms film advance time). Control: Computer command. Capacity: 400 feet. Type: split magazine.

POWER REQUIREMENTS

208 VAC, 400 cycle, 3 phase - 4 wire, 2000 watts.

SIZE

75"H x 26"D x 79"L (Recorder) - 52"H x 50"D x 43"W (Monitor)

WEIGHT

1615 pounds.

WORD FORMAT

SINGLE PLOT	U	CHARACTER		X COORDINATE		S	O	Y COORDINATE		U
	U	CHARACTER 1	U	CHARACTER 2	U	CHARACTER 3	U	CHARACTER 4		

S = Size

O = Character orientation

U = Unused

FOR FURTHER INFORMATION CALL OR WRITE

1820 Como Avenue, St. Paul 8, Minnesota (Main Facility)
Telephone - Area Code 612 - 646-6371

594 Lexington Avenue, Lexington 73, Massachusetts (Eastern Division)
Telephone - Area Code 617 - 862-7480

156 San Lorenzo Street, Pomona, California (Western Division)
Telephone - Area Code 714 - 623-2137

Bureau de Liaison - 113, Rue de L'Universite, Paris VII^e, France (Western Europe)
Telephone INvalides 99-20+